

## EAST Search History

| Ref # | Hits | Search Query          | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|-----------------------|---|------------------|---------|------------------|
| S1    | 13   | werler-andreas.in.    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/05/09 11:32 |
| S2    | 9    | seidel-michael.in.    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/05/09 11:33 |
| S3    | 11   | neukirchner-heiko.in. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/05/09 11:33 |
| S4    | 35   | "4572118"             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/05/09 12:52 |
| S5    | 2    | de-10061618-\$.did.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/05/09 12:53 |
| S6    | 1    | de-2629554-\$.did.    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/05/09 12:53 |
| S7    | 1    | de-3833540-\$.did.    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/05/09 12:53 |
| S8    | 2    | de-10123186-\$.did.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/05/09 12:55 |
| S9    | 1    | de-19913742-\$.did.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/05/09 12:55 |
| S10   | 3    | "6907852"             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/05/09 12:55 |
| S11   | 1937 | 123/90.16.ccls.       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/05/09 12:56 |

## EAST Search History

|     |      |                             |   |    |    |                  |
|-----|------|-----------------------------|---|----|----|------------------|
| S12 | 3339 | 123/90.15,90.31.ccls.       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/09 12:56 |
| S13 | 136  | 123/90.2.ccls.              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/09 12:56 |
| S14 | 1615 | 123/90.39,90.41,90.43.ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/09 12:56 |
| S15 | 1440 | 251/231,233-238.ccls.       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/09 12:57 |
| S16 | 3487 | 74/519,559,568R,569.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/09 12:57 |
| S17 | 3    | S11 and S15                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/09 12:59 |
| S18 | 85   | S11 and S16                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/09 12:58 |
| S19 | 1    | S13 and S15                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/09 12:59 |
| S20 | 11   | S13 and S16                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/09 12:59 |
| S21 | 0    | S12 and S15                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/09 13:00 |
| S22 | 176  | S12 and S16                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/09 13:01 |
| S23 | 2037 | S11 or S13                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/09 13:02 |

## EAST Search History

|     |       |  |   |    |    |                  |
|-----|-------|--|---|----|----|------------------|
| S24 | 4881  | S12 or S14   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/09 13:02 |
| S25 | 4915  | S15 or S16   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/09 13:02 |
| S26 | 10672 | S23 or S24 or S25  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/09 13:02 |
| S27 | 25    | ("2934052"   "4084557"  <br>"4151817"   "4572118"   "4714057"<br>  "4723515"   "4898130"  <br>"4917058"   "5203289"   "5205247"<br>  "5373818"   "5452694"  <br>"5655488"   "5680835"   "5937809"<br>  "5954018"   "6085704"  <br>"6135076"   "6354255"  <br>"6481399").PN. OR ("6386162"  <br>"6837198"   "6907852"  <br>"6955146").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2006/05/09 13:07 |
| S28 | 6     | US-2934052-\$.DID. OR<br>US-4723515-\$.DID. OR<br>US-4898130-\$.DID. OR<br>US-5205247-\$.DID. OR<br>US-6354255-\$.DID.   | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2006/05/09 13:23 |
| S29 | 442   | ax?s near2 (pivot\$4 or rotational or<br>rotatable or rotating) with cam<br>same (intermediate with (slid\$4 or<br>guid\$4))   | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2006/05/09 13:26 |
| S30 | 7     | S26 and S29  | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2006/05/09 13:26 |
| S31 | 136   | 123/90.2.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:24 |
| S32 | 18    | "5373818"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:26 |
| S33 | 29    | "4714057"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:28 |

## EAST Search History

|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S34 | 18    | "6425357"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:29 |
| S35 | 18    | "5018487"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:38 |
| S36 | 405   | shaft with (control or eccentric\$4)<br>with cam with (follower or lever or<br>rocker) with (guid\$4 or slid\$4) with<br>(displac\$5 or mov\$4) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:43 |
| S37 | 1937  | 123/90.16.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:41 |
| S38 | 3339  | 123/90.15,90.31.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:41 |
| S39 | 1615  | 123/90.39,90.41,90.43.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:41 |
| S40 | 1440  | 251/231,233-238.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:41 |
| S41 | 3487  | 74/519,559,568R,569.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:41 |
| S42 | 2037  | S37 or S31  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:41 |
| S43 | 4881  | S38 or S39  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:41 |
| S44 | 4915  | S40 or S41  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:41 |
| S45 | 10672 | S42 or S43 or S44   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:41 |

## EAST Search History

|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S46 | 12    | S45 and S36   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:43 |
| S47 | 595   | (shaft with (control or eccentric\$4)<br>with cam) same ((follower or lever<br>or rocker) with (guid\$4 or slid\$4)<br>with (displac\$5 or mov\$4)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:53 |
| S48 | 17    | S45 and S47   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:44 |
| S49 | 5     | S48 not S46   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:43 |
| S50 | 1935  | (shaft with (control or eccentric\$4))<br>same ((follower or lever or rocker)<br>with (guid\$4 or slid\$4) with<br>(displac\$5 or mov\$4))          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:48 |
| S51 | 36    | S45 and S50   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:46 |
| S52 | 19    | S51 not S48   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:45 |
| S53 | 5906  | (shaft with (control or eccentric\$4))<br>same ((follower or lever or rocker)<br>with (guid\$4 or slid\$4))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:46 |
| S54 | 163   | S45 and S53   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:47 |
| S55 | 10683 | (shaft with (control or eccentric\$4))<br>same ((follower or lever or rocker)<br>with (displac\$5 or mov\$4))                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:47 |
| S56 | 285   | S45 and S55   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:54 |
| S57 | 114   | S42 and S54   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:49 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S58 | 203  | S42 and S56   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:49 |
| S59 | 149  | S58 not S57   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:49 |
| S60 | 207  | (shaft same (control or eccentric\$4)<br>same cam) same ((follower or lever<br>or rocker) same (guid\$4 or slid\$4)<br>same (displac\$5 or mov\$4)) | US-PGPUB                                    | OR | ON | 2006/05/10 12:54 |
| S61 | 16   | S45 and S60   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:55 |
| S62 | 6865 | shaft and (control or eccentric\$4)<br>and cam and (follower or lever or<br>rocker) and (guid\$4 or slid\$4) and<br>(displac\$5 or mov\$4)          | US-PGPUB                                    | OR | ON | 2006/05/10 12:55 |
| S63 | 280  | S45 and S62   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/05/10 12:55 |